

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/JP2005/004030

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 G06K17/00 G06K1/18 G06K19/07

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 G06K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/20564 A (ORDICAM RECHERCHE ET DEVELOPPEMENT SA; MICHOT, GERARD) 22 March 2001 (2001-03-22) page 4, line 14 – page 5, line 37; figures 1–3	1, 4, 5, 9
X	US 4 703 347 A (YASUDA ET AL) 27 October 1987 (1987-10-27) column 2, line 66 – column 3, line 48; figure 1	1, 4, 5, 9
X	EP 0 917 083 A (SIEMENS AKTIENGESELLSCHAFT) 19 May 1999 (1999-05-19)	5
A	paragraphs '0007!, '0023!; figure 1	1, 4, 9
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

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Date of the actual completion of the International search

4 July 2005

Date of mailing of the international search report

12/07/2005

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2

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 371 375 B1 (ACKLEY H. SPRAGUE ET AL) 16 April 2002 (2002-04-16) column 3, line 57 - column 4, line 43; figures 1,2 -----	1,4,5,9
X	US 5 095 196 A (MIYATA ET AL) 10 March 1992 (1992-03-10) the whole document -----	1,4,5,9
X	DE 43 41 880 A1 (DINKEL, DORIS, 81371 MUENCHEN, DE) 14 June 1995 (1995-06-14) column 2, line 14 - column 4, line 65 -----	1,4,5,9

# INTERNATIONAL SEARCH REPORT

**Information on patent family members**

International Application No

PCT/JP2005/004030

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 0120564	A	22-03-2001		FR 2776153 A1 WO 0120564 A1 AU 5627799 A BR 9917483 A CA 2384675 A1 EP 1214694 A1	17-09-1999 22-03-2001 17-04-2001 14-05-2002 22-03-2001 19-06-2002
US 4703347	A	27-10-1987		JP 61217879 A CA 1252878 A1 DE 3610074 A1 FR 2579346 A1 GB 2173970 A ,B	27-09-1986 18-04-1989 16-10-1986 26-09-1986 22-10-1986
EP 0917083	A	19-05-1999		DE 29723792 U1 EP 0917083 A2	01-04-1999 19-05-1999
US 6371375	B1	16-04-2002		US 6056199 A US 6321986 B1 WO 0048115 A1 CN 1257596 A EP 0976100 A2 JP 2002514329 T WO 9847101 A2 US 6422476 B1	02-05-2000 27-11-2001 17-08-2000 21-06-2000 02-02-2000 14-05-2002 22-10-1998 23-07-2002
US 5095196	A	10-03-1992		JP 2793658 B2 JP 3062158 A	03-09-1998 18-03-1991
DE 4341880	A1	14-06-1995	IT	MI942418 A1	08-06-1995